

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:

Cleco, Brame Energy Center
CANEY CREEK WILDERNESS AREA CALPOST 2002
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default !ISYR = 2002 !
Month (ISMO) -- No default !ISMO = 1 !
Day (ISDY) -- No default !ISDY = 1 !
Starting time: Hour (ISHR) -- No default !ISHR = 0 !
Minute (ISMIN) -- No default !ISMIN = 0 !
Second (ISSEC) -- No default !ISSEC = 0 !

Ending date: Year (IEYR) -- No default !IEYR = 2002 !
Month (IEMO) -- No default !IEMO = 12 !
Day (IEDY) -- No default !IEDY = 31 !
Ending time: Hour (IEHR) -- No default !IEHR = 0 !
Minute (IEMIN) -- No default !IEMIN = 0 !
Second (IESEC) -- No default !IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation

(BTZONE) -- No default !BTZONE = 6.0 !

Process every period of data?
(NREP) -- Default: 1 !NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO2 when ASPEC=NO2 (above) or LVNO2=T (Group 2) may be from CALPUFF NO2 concentrations OR from a fraction of CALPUFF NOx concentrations. Specify the fraction of NOx that is treated as NO2 either as a constant or as a table of fractions that depend on the magnitude of the NOx concentration:

(NO2CALC) -- Default: 1 ! NO2CALC = 1 !
0 = Use NO2 directly (NO2 must be in file)
1 = Specify a single NO2/NOx ratio (RNO2NOX)
2 = Specify a table NO2/NOx ratios (TNO2NOX)
(NOTE: Scaling Factors must NOT be used with NO2CALC=2)

Single NO2/NOx ratio (0.0 to 1.0) for treating some or all NOx as NO2, where [NO2] = [NOX] * RNO2NOX
(used only if NO2CALC = 1)
(RNO2NOX) -- Default: 1.0 ! RNO2NOX = 1.0 !

Table of NO2/NOx ratios that vary with NOx concentration.
Provide 14 NOx concentrations (ug/m**3) and the corresponding NO2/NOx ratio, with NOx increasing in magnitude. The ratio used for a particular NOx concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NOx concentration (the first) is used for all NOx concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NOx concentration (the last) is used for all NOx concentrations greater than the largest tabulated value.
(used only if NO2CALC = 2)

NOx concentration(ug / m3)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO2/NOx ratio for each NOx concentration:
(TNO2NOX) -- No default

**! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !**

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
 - 1 = Sum all individual source contributions and process
 - 2 = Run in TRACEBACK mode to identify source contributions at a SINGLE receptor
- (MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
 - 1 = Apply CALM processing procedures to multiple-hour averages
- (MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
- (MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !

Discrete receptors processed? (LD) -- Default: F ! LD = T !

CTSG Complex terrain receptors processed?

(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?

(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;

OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

0 = discrete receptor not processed

1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1
! NDRECP = 80*1, 40*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed
1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:
23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVS04) -- Default: T ! LVS04 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVMPC) -- Default: T ! LVMPC = T !

Include FINE PARTICLES? (LVMF) -- Default: T ! LVMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO₂ absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T
FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EEPNC) -- Default: 0.6 ! EEPNC = 0.6 !
PM FINE (EEPNF) -- Default: 1.0 ! EEPNF = 1 !

BACKGROUND particulate species:

PM COARSE (EPMCBK) -- Default: 0.6 ! EPMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !
ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !
ELEMENTAL CARBON (EEECC) -- Default: 10. ! EEECC = 10 !
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)
AMMONIUM SULFATE (EESO4L) Set Internally (large)
AMMONIUM NITRATE (EENO3S) Set Internally (small)
AMMONIUM NITRATE (EENO3L) Set Internally (large)
ORGANIC CARBON (EEOCS) Set Internally (small)
ORGANIC CARBON (EEOCL) Set Internally (large)
SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:
Hourly ratio of source light extinction / background light extinction
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
- Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
- FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
- Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
- Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.

These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRC) -- No default ! RHFRC = 10 !

Additional inputs used for MVISBK = 6,8:

Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,
3.2, 3.2, 3.0, 3.0,
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that
is identified as VSRN.DAT may contain data for more than one
station. Identify the stations that are needed in the order in
which they will be used to obtain valid weather and visual range.
The first station that contains valid data for an hour will be
used. Enter up to MXWSTA (set in PARAMS file) integer station IDs
of up to 6 digits each as variable IDWSTA, and enter the corresponding
time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used
in place of the observed weather file. Identify this as the VSRN.DAT
file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The
DATSAV abbreviated space-delimited data usually are prepared
with UTC time rather than local time, so TZONE is typically
set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly
CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23,
0.23, 0.23, 0.23 !
(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10,
0.10, 0.10, 0.10 !
(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00,
3.00, 3.00, 3.00 !
(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80,
1.80, 1.80, 1.80 !
(BKSOIL) -- No default ! BKSOIL= 0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50,
0.50, 0.50, 0.50 !
(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02,
0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January.
(ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).
Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes
(RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,
3.66, 3.71, 3.49, 3.51,
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes
(RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,
2.68, 2.71, 2.59, 2.60,
2.71, 2.69, 2.67, 2.79 !

Sea salt particles
(RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.

Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB.
In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

 - 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

 - 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !
 - Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !
 - Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

 - 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !
 - Identify the threshold for each averaging time by assigning a non-negative value (output units).
 - Default: -1.0
 - Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
 - Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
 - Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
 - Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

 - Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.
- Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
- Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day
[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0
! IECHO = 366*0 !
(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...].

In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid.

The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1952 2051

```
*****  
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

CALPOST Control File Input Summary

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2002
month: 1
day: 1
Julian day: 0
Time at start of run - hour(0-23): 0
- minute: 0
- second: 0

Run ending date -- year: 2002
month: 12
day: 31
Julian day: 0
Time at end of run - hour(0-23): 0
- minute: 0
- second: 0

Base time zone (Group 1): 6.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB
Layer of processed data: 1
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
Multiplicative scaling factor: 0.0000E+00
Additive scaling factor: 0.0000E+00
Hourly background values used?: F

SAMPLER option

Processing method: 0
0= SAMPLER option not used
1= Report total modeled impact (list file)
2= TRACEBACK mode (DAT files)
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0
0= No source contributions
1= Contributions are summed
2= TRACEBACK mode for 1 receptor
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F
Discrete receptors processed?: T
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: CACR

Extinction Computation includes:

SULFATES
NITRATES
NO₂ GAS

Fraction CALPUFF NOx used as NO₂ : 1.000

ORGANIC CARBON
ELEMENTAL CARBON
COARSE PARTICLES
FINE PARTICLES
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC
fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000
ammonium sulfate L: 4.8000
ammonium nitrate S: 2.4000
ammonium nitrate L: 5.1000
organic carbon S: 2.8000
organic carbon L: 6.1000
sea salt: 1.7000
NO₂ gas: 0.1755
soil: 1.0000
elemental carbon: 10.0000
MODELED coarse PM: 0.6000
MODELED fine PM: 1.0000
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5
(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01
2 .3440E+01
3 .3140E+01
4 .3240E+01
5 .3660E+01
6 .3710E+01
7 .3490E+01
8 .3510E+01
9 .3730E+01
10 .3720E+01
11 .3680E+01
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01
2 .2530E+01
3 .2370E+01
4 .2430E+01

5 .2680E+01
6 .2710E+01
7 .2590E+01
8 .2600E+01
9 .2710E+01
10 .2690E+01
11 .2670E+01
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01
2 .3520E+01
3 .3310E+01
4 .3410E+01
5 .3830E+01
6 .3880E+01
7 .3690E+01
8 .3680E+01
9 .3820E+01
10 .3760E+01
11 .3770E+01
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T

User-specified averages: F
Length of run averages: F

Output components selected

 Top-50: F
 Top-N values at each receptor: F
 Exceedance counts at each receptor: F
 Output selected information for debugging: F
 Echo tables for selected days: F
 Time-series for selected days: F
 Peak value Time-series for selected days: F

Plot file option

 Plot files created: F

MAPSPEC: Species Mapping

 Number of species-levels in file : 9
 Number of species-levels processed: 10

Input ID	Processing ID	Name
1	1	SO2
2	2	SO4
3	3	NOX
4	4	HNO3
5	5	NO3
6	6	PMC
7	7	PMF
8	8	EC
9	9	SOA

Visibility Species

	Processing ID	Name
sulfate	2	SO4
no2gas	10	NO2
noxgas	3	NOX
nitrate	5	NO3
specpmf	7	PMF
specpmc	6	PMC
orgcarb	9	SOA
lmncarb	8	EC

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:

8753

Chemical species names for each layer in model:

SO ₂	1
SO ₄	1
NOX	1
HNO ₃	1
NO ₃	1
PMC	1
PMF	1
EC	1
SOA	1

QA Information -- Internal Representation of Data

CONTENTS OF CONTROL FILE -----

```

navg,ntop      = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR    = F F T
LNAVG, LRUNL   = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPKAK = F F F
THRESH1        = -1.00000000
THRESH3        = -1.00000000
THRESH24       = -1.00000000
THRESHN        = -1.00000000
PLLT, LGRD     = F F
MDVIS          = 1
LDEBUG          = F
LCTSG          = F

```

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

```

model : CALPUFF 5.8.4 130731
msyr,mjsday = 2001 365
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.0000000
mnper,nszout,mavgpd = 8753 9 1
xorigkm,yorigkm,nsssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.0000000 4.0000000 1
iastrar,iastop,jastar,jastop = 1 462 1 376
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npnts,nareas = 1 2 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

```

Discrete Receptors (n,x,y,z):

```

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000
22 263.358459 -614.973511 426.000000

```

23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000
78 269.382629 -612.012329 397.000000

79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM_s (n,x,y):

Control-file POINT Sources : 2
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names
UNIT 1

UNIT 2

INPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.INP	5	CT_BRAME_02B_CACR.inp
MODEL.DAT	4	pu_brame_02b.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.LST	8	ct_brame_02b_cacr.lst
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```
*****
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species																					
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
0.000	0.000	0.000	2001	365	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	2002	1	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	2002	2	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	2002	3	23	35	273.293	-614.653	D	0.340	22.161	22.500	1.53	0.129	0.205	0.001	0.001	0.002	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	2002	4	23	35	273.293	-614.653	D	0.893	22.161	23.054	4.03	0.469	0.397	0.002	0.003	0.001	0.004	0.000	0.000	0.000	0.000
0.000	0.000	0.000	2002	5	23	35	273.293	-614.653	D	0.017	22.161	22.178	0.08	0.013	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	2002	6	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

2002	7 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	10 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	11 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	12 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	13 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	14 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	15 23	35	273.293	-614.653	D	1.140	22.161	23.301	5.14	0.436	0.660	0.006
0.007	0.004	0.010	0.016	3.850	2.770	3.900						
2002	16 23	18	260.302	-615.069	D	0.987	22.161	23.148	4.46	0.533	0.441	0.003
0.003	0.002	0.005	0.000	3.850	2.770	3.900						
2002	17 23	18	260.302	-615.069	D	0.140	22.161	22.300	0.63	0.085	0.053	0.000
0.000	0.000	0.001	0.000	3.850	2.770	3.900						
2002	18 23	18	260.302	-615.069	D	0.121	22.161	22.282	0.55	0.080	0.040	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	19 23	9	272.589	-616.522	D	0.236	22.161	22.397	1.06	0.131	0.102	0.001
0.001	0.000	0.001	0.000	3.850	2.770	3.900						
2002	20 23	3	271.855	-617.469	D	0.020	22.161	22.181	0.09	0.015	0.004	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	21 23	19	261.066	-615.046	D	2.426	22.161	24.587	10.95	1.167	1.196	0.010
0.008	0.006	0.014	0.024	3.850	2.770	3.900						
2002	22 23	79	261.714	-611.334	D	0.001	22.161	22.162	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	23 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	24 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	25 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	26 23	9	272.589	-616.522	D	3.276	22.161	25.437	14.78	1.965	1.249	0.014
0.015	0.009	0.022	0.000	3.850	2.770	3.900						
2002	27 23	35	273.293	-614.653	D	0.621	22.161	22.782	2.80	0.462	0.151	0.002
0.002	0.001	0.003	0.000	3.850	2.770	3.900						
2002	28 23	35	273.293	-614.653	D	0.002	22.161	22.162	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	29 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2002	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2002	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2002	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						

2002	35	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	37	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	39	23	35	273.293	-614.653	D	0.954	21.835	22.789	4.37	0.548	0.394	0.003
0.003	0.002	0.004	0.000	3.440	2.530	3.520							
2002	40	23	35	273.293	-614.653	D	0.003	21.835	21.838	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	41	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	42	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	43	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	44	23	18	260.302	-615.069	D	0.254	21.835	22.089	1.16	0.139	0.109	0.001
0.001	0.001	0.002	0.000	3.440	2.530	3.520							
2002	45	23	35	273.293	-614.653	D	2.380	21.835	24.215	10.90	1.587	0.763	0.007
0.007	0.005	0.011	0.000	3.440	2.530	3.520							
2002	46	23	3	271.855	-617.469	D	0.002	21.835	21.837	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	48	23	5	269.532	-616.622	D	5.844	21.835	27.679	26.77	1.797	3.843	0.034
0.031	0.022	0.048	0.070	3.440	2.530	3.520							
2002	49	23	35	273.293	-614.653	D	0.292	21.835	22.127	1.34	0.096	0.177	0.002
0.003	0.002	0.004	0.009	3.440	2.530	3.520							
2002	50	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	51	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	52	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	53	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	54	23	35	273.293	-614.653	D	0.088	21.835	21.923	0.40	0.074	0.013	0.000
0.000	0.000	0.001	0.000	3.440	2.530	3.520							
2002	55	23	35	273.293	-614.653	D	0.015	21.835	21.850	0.07	0.011	0.004	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	56	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	57	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2002	58	23	18	260.302	-615.069	D	0.504	21.835	22.339	2.31	0.233	0.264	0.002
0.002	0.001	0.003	0.000	3.440	2.530	3.520							
2002	59	23	18	260.302	-615.069	D	2.406	21.835	24.241	11.02	0.763	1.528	0.015
0.014	0.009	0.022	0.055	3.440	2.530	3.520							
2002	60	23	79	261.714	-611.334	D	0.496	21.600	22.095	2.29	0.215	0.264	0.001
0.001	0.001	0.001	0.012	3.140	2.370	3.310							
2002	61	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	62	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2002	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	64	23	18	260.302	-615.069	D	0.111	21.600	21.711	0.51	0.081	0.029	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2002	65	23	79	261.714	-611.334	D	0.012	21.600	21.612	0.06	0.009	0.003	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	66	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	67	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	68	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	69	23	18	260.302	-615.069	D	0.965	21.600	22.565	4.47	0.368	0.562	0.004
0.003	0.002	0.005	0.021	3.140	2.370	3.310							
2002	70	23	18	260.302	-615.069	D	0.710	21.600	22.310	3.29	0.489	0.215	0.002
0.001	0.001	0.002	0.001	3.140	2.370	3.310							
2002	71	23	3	271.855	-617.469	D	0.222	21.600	21.822	1.03	0.197	0.023	0.001
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2002	72	23	35	273.293	-614.653	D	0.203	21.600	21.803	0.94	0.171	0.031	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2002	73	23	35	273.293	-614.653	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	74	23	3	271.855	-617.469	D	0.036	21.600	21.636	0.17	0.020	0.015	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	75	23	3	271.855	-617.469	D	1.504	21.600	23.104	6.96	0.894	0.593	0.003
0.003	0.002	0.005	0.005	3.140	2.370	3.310							
2002	76	23	18	260.302	-615.069	D	0.311	21.600	21.911	1.44	0.200	0.108	0.000
0.000	0.000	0.001	0.001	3.140	2.370	3.310							
2002	77	23	9	272.589	-616.522	D	0.510	21.600	22.110	2.36	0.190	0.288	0.002
0.002	0.002	0.003	0.022	3.140	2.370	3.310							
2002	78	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	79	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	80	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	81	23	9	272.589	-616.522	D	1.125	21.600	22.725	5.21	0.788	0.311	0.006
0.006	0.004	0.009	0.000	3.140	2.370	3.310							
2002	82	23	67	271.705	-612.860	D	0.252	21.600	21.852	1.17	0.193	0.054	0.001
0.001	0.001	0.002	0.000	3.140	2.370	3.310							
2002	83	23	36	260.273	-614.148	D	0.031	21.600	21.631	0.14	0.023	0.008	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	84	23	3	271.855	-617.469	D	0.002	21.600	21.602	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	85	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	86	23	9	272.589	-616.522	D	1.466	21.600	23.066	6.79	1.112	0.324	0.007
0.007	0.005	0.011	0.000	3.140	2.370	3.310							
2002	87	23	78	269.383	-612.012	D	0.305	21.600	21.905	1.41	0.216	0.086	0.001
0.001	0.000	0.001	0.000	3.140	2.370	3.310							
2002	88	23	3	271.855	-617.469	D	0.021	21.600	21.621	0.10	0.017	0.003	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	89	23	18	260.302	-615.069	D	0.001	21.600	21.601	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2002	90	23	3	271.855	-617.469	D	0.077	21.600	21.676	0.35	0.067	0.008	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							

2002	91	23	9	272.589	-616.522	D	0.336	21.680	22.016	1.55	0.256	0.075	0.001
0.001	0.001	0.002	0.000	3.240	2.430	3.410							
2002	92	23	3	271.855	-617.469	D	0.013	21.680	21.693	0.06	0.010	0.003	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	93	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	94	23	18	260.302	-615.069	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	95	23	18	260.302	-615.069	D	0.014	21.680	21.694	0.06	0.013	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	96	23	19	261.066	-615.046	D	2.059	21.680	23.738	9.50	0.688	1.235	0.018
0.014	0.011	0.023	0.070	3.240	2.430	3.410							
2002	97	23	36	260.273	-614.148	D	0.019	21.680	21.699	0.09	0.018	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	98	23	18	260.302	-615.069	D	0.016	21.680	21.696	0.07	0.014	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	99	23	18	260.302	-615.069	D	0.010	21.680	21.690	0.05	0.009	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	100	23	3	271.855	-617.469	D	0.934	21.680	22.614	4.31	0.853	0.068	0.003
0.003	0.002	0.005	0.000	3.240	2.430	3.410							
2002	101	23	35	273.293	-614.653	D	0.464	21.680	22.144	2.14	0.385	0.074	0.001
0.001	0.001	0.002	0.000	3.240	2.430	3.410							
2002	102	23	3	271.855	-617.469	D	0.540	21.680	22.220	2.49	0.473	0.060	0.002
0.002	0.001	0.003	0.000	3.240	2.430	3.410							
2002	103	23	35	273.293	-614.653	D	0.318	21.680	21.998	1.47	0.244	0.071	0.001
0.001	0.001	0.001	0.000	3.240	2.430	3.410							
2002	104	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	105	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	108	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	109	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	110	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	111	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	112	23	3	271.855	-617.469	D	3.887	21.680	25.567	17.93	2.712	1.073	0.020
0.021	0.013	0.031	0.017	3.240	2.430	3.410							
2002	113	23	67	271.705	-612.860	D	0.012	21.680	21.692	0.05	0.009	0.003	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	114	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	115	23	18	260.302	-615.069	D	0.316	21.680	21.996	1.46	0.221	0.092	0.001
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2002	116	23	18	260.302	-615.069	D	0.311	21.680	21.991	1.43	0.110	0.181	0.002
0.002	0.001	0.003	0.010	3.240	2.430	3.410							
2002	117	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	118	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							

2002	119	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	120	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2002	121	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	122	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	123	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	124	23	3	271.855	-617.469	D	0.636	22.015	22.652	2.89	0.552	0.076	0.002
0.002	0.001	0.003	0.000	3.660	2.680	3.830							
2002	125	23	67	271.705	-612.860	D	0.079	22.015	22.095	0.36	0.066	0.013	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	126	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	127	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	128	23	3	271.855	-617.469	D	0.001	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	129	23	35	273.293	-614.653	D	0.270	22.015	22.286	1.23	0.188	0.080	0.000
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2002	130	23	18	260.302	-615.069	D	0.739	22.015	22.754	3.36	0.346	0.377	0.003
0.003	0.002	0.005	0.002	3.660	2.680	3.830							
2002	131	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	132	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	133	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	134	23	10	265.680	-615.823	D	1.815	22.015	23.831	8.25	1.584	0.179	0.012
0.012	0.008	0.018	0.002	3.660	2.680	3.830							
2002	135	23	18	260.302	-615.069	D	0.017	22.015	22.032	0.08	0.016	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	136	23	35	273.293	-614.653	D	0.010	22.015	22.026	0.05	0.009	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	137	23	3	271.855	-617.469	D	0.000	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	138	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	139	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	140	23	18	260.302	-615.069	D	0.001	22.015	22.016	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	141	23	18	260.302	-615.069	D	1.245	22.015	23.260	5.65	0.949	0.255	0.009
0.008	0.006	0.013	0.004	3.660	2.680	3.830							
2002	142	23	35	273.293	-614.653	D	0.002	22.015	22.018	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	143	23	35	273.293	-614.653	D	0.006	22.015	22.021	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	144	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	145	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	146	23	35	273.293	-614.653	D	0.017	22.015	22.032	0.08	0.013	0.004	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							

2002	147	23	35	273.293	-614.653	D	0.226	22.015	22.241	1.02	0.130	0.093	0.001
0.001	0.000	0.001	0.000	3.660	2.680	3.830							
2002	148	23	67	271.705	-612.860	D	0.010	22.015	22.025	0.04	0.007	0.003	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	149	23	79	261.714	-611.334	D	0.282	22.015	22.297	1.28	0.251	0.029	0.000
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2002	150	23	79	261.714	-611.334	D	0.031	22.015	22.046	0.14	0.028	0.002	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	151	23	18	260.302	-615.069	D	0.044	22.015	22.059	0.20	0.039	0.004	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2002	152	23	79	261.714	-611.334	D	0.449	22.055	22.504	2.03	0.338	0.106	0.001
0.001	0.001	0.002	0.000	3.710	2.710	3.880							
2002	153	23	35	273.293	-614.653	D	0.006	22.055	22.061	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	154	23	35	273.293	-614.653	D	0.002	22.055	22.057	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	155	23	18	260.302	-615.069	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	156	23	10	265.680	-615.823	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	157	23	18	260.302	-615.069	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	158	23	18	260.302	-615.069	D	0.004	22.055	22.060	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	159	23	3	271.855	-617.469	D	0.627	22.055	22.683	2.84	0.440	0.176	0.002
0.002	0.002	0.004	0.002	3.710	2.710	3.880							
2002	160	23	35	273.293	-614.653	D	2.055	22.055	24.111	9.32	1.294	0.684	0.011
0.011	0.007	0.016	0.033	3.710	2.710	3.880							
2002	161	23	35	273.293	-614.653	D	0.521	22.055	22.576	2.36	0.420	0.090	0.002
0.002	0.001	0.003	0.003	3.710	2.710	3.880							
2002	162	23	35	273.293	-614.653	D	0.180	22.055	22.235	0.81	0.171	0.003	0.001
0.001	0.001	0.002	0.000	3.710	2.710	3.880							
2002	163	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	166	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	167	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	168	23	1	270.326	-617.519	D	0.002	22.055	22.057	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	169	23	18	260.302	-615.069	D	0.512	22.055	22.568	2.32	0.481	0.014	0.004
0.004	0.002	0.006	0.002	3.710	2.710	3.880							
2002	170	23	67	271.705	-612.860	D	1.025	22.055	23.081	4.65	0.851	0.145	0.006
0.006	0.004	0.009	0.004	3.710	2.710	3.880							
2002	171	23	53	261.008	-613.202	D	0.001	22.055	22.056	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	172	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	173	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	174	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							

2002	175	23	3	271.855	-617.469	D	0.026	22.055	22.081	0.12	0.022	0.004	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	176	23	3	271.855	-617.469	D	0.274	22.055	22.329	1.24	0.223	0.049	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2002	177	23	35	273.293	-614.653	D	0.079	22.055	22.134	0.36	0.070	0.008	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2002	178	23	3	271.855	-617.469	D	1.184	22.055	23.239	5.37	1.126	0.049	0.002
0.002	0.001	0.003	0.000	3.710	2.710	3.880							
2002	179	23	80	262.478	-611.310	D	0.315	22.055	22.370	1.43	0.274	0.039	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2002	180	23	35	273.293	-614.653	D	0.287	22.055	22.343	1.30	0.191	0.088	0.001
0.002	0.001	0.002	0.002	3.710	2.710	3.880							
2002	181	23	35	273.293	-614.653	D	0.952	22.055	23.008	4.32	0.833	0.109	0.003
0.002	0.002	0.004	0.000	3.710	2.710	3.880							
2002	182	23	18	260.302	-615.069	D	0.198	21.881	22.079	0.90	0.162	0.035	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	183	23	35	273.293	-614.653	D	0.172	21.881	22.053	0.78	0.144	0.027	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	184	23	1	270.326	-617.519	D	1.354	21.881	23.235	6.19	1.204	0.138	0.003
0.003	0.002	0.004	0.000	3.490	2.590	3.690							
2002	185	23	18	260.302	-615.069	D	0.474	21.881	22.355	2.17	0.422	0.049	0.001
0.001	0.001	0.001	0.000	3.490	2.590	3.690							
2002	186	23	18	260.302	-615.069	D	0.036	21.881	21.918	0.17	0.032	0.004	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	187	23	18	260.302	-615.069	D	0.003	21.881	21.884	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	188	23	79	261.714	-611.334	D	0.001	21.881	21.882	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	189	23	18	260.302	-615.069	D	0.015	21.881	21.896	0.07	0.014	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	190	23	18	260.302	-615.069	D	0.122	21.881	22.003	0.56	0.116	0.005	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	191	23	3	271.855	-617.469	D	0.084	21.881	21.965	0.38	0.078	0.005	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	192	23	18	260.302	-615.069	D	0.032	21.881	21.914	0.15	0.030	0.002	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	193	23	18	260.302	-615.069	D	0.018	21.881	21.899	0.08	0.016	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	194	23	18	260.302	-615.069	D	0.010	21.881	21.891	0.04	0.009	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	195	23	18	260.302	-615.069	D	0.003	21.881	21.884	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	196	23	36	260.273	-614.148	D	0.002	21.881	21.883	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	197	23	9	272.589	-616.522	D	0.004	21.881	21.885	0.02	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	198	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	199	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	200	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	201	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	202	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							

2002	203	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	204	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	205	23	3	271.855	-617.469	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	206	23	9	272.589	-616.522	D	0.001	21.881	21.882	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	207	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	208	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	209	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	212	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2002	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	218	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	219	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	220	23	18	260.302	-615.069	D	0.024	21.896	21.919	0.11	0.023	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	221	23	79	261.714	-611.334	D	2.152	21.896	24.048	9.83	1.361	0.756	0.008
0.008	0.005	0.012	0.001	3.510	2.600	3.680							
2002	222	23	18	260.302	-615.069	D	0.536	21.896	22.432	2.45	0.504	0.014	0.004
0.004	0.003	0.006	0.001	3.510	2.600	3.680							
2002	223	23	35	273.293	-614.653	D	0.913	21.896	22.809	4.17	0.779	0.113	0.005
0.005	0.003	0.008	0.000	3.510	2.600	3.680							
2002	224	23	36	260.273	-614.148	D	0.012	21.896	21.908	0.06	0.012	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	225	23	18	260.302	-615.069	D	0.019	21.896	21.915	0.09	0.019	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	226	23	79	261.714	-611.334	D	0.015	21.896	21.911	0.07	0.014	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	227	23	35	273.293	-614.653	D	0.067	21.896	21.963	0.31	0.056	0.006	0.000
0.000	0.000	0.000	0.005	3.510	2.600	3.680							
2002	228	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	229	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	230	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							

2002	231	23	9	272.589	-616.522	D	0.008	21.896	21.904	0.04	0.008	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	232	23	35	273.293	-614.653	D	2.634	21.896	24.530	12.03	2.218	0.381	0.008
0.008	0.005	0.012	0.002	3.510	2.600	3.680							
2002	233	23	3	271.855	-617.469	D	2.738	21.896	24.634	12.50	2.665	0.034	0.010
0.009	0.006	0.014	0.000	3.510	2.600	3.680							
2002	234	23	35	273.293	-614.653	D	0.453	21.896	22.349	2.07	0.433	0.015	0.001
0.001	0.001	0.002	0.000	3.510	2.600	3.680							
2002	235	23	35	273.293	-614.653	D	0.002	21.896	21.897	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	236	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	237	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	238	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	239	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	240	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	241	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	242	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	243	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2002	244	23	18	260.302	-615.069	D	0.004	22.067	22.072	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	245	23	79	261.714	-611.334	D	0.031	22.067	22.098	0.14	0.029	0.002	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	246	23	78	269.383	-612.012	D	0.052	22.067	22.119	0.24	0.047	0.004	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	247	23	79	261.714	-611.334	D	0.025	22.067	22.092	0.11	0.023	0.002	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	248	23	79	261.714	-611.334	D	0.009	22.067	22.076	0.04	0.008	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	249	23	18	260.302	-615.069	D	0.000	22.067	22.068	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	251	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	252	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	253	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	254	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	255	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	256	23	18	260.302	-615.069	D	0.516	22.067	22.583	2.34	0.505	0.006	0.001
0.001	0.001	0.002	0.000	3.730	2.710	3.820							
2002	257	23	3	271.855	-617.469	D	0.728	22.067	22.795	3.30	0.696	0.026	0.001
0.001	0.001	0.002	0.000	3.730	2.710	3.820							
2002	258	23	3	271.855	-617.469	D	0.331	22.067	22.399	1.50	0.299	0.030	0.001
0.000	0.000	0.001	0.000	3.730	2.710	3.820							

2002	259	23	18	260.302	-615.069	D	0.321	22.067	22.388	1.45	0.288	0.031	0.000
0.000	0.000	0.001	0.000	3.730	2.710	3.820							
2002	260	23	78	269.383	-612.012	D	0.088	22.067	22.155	0.40	0.081	0.006	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	261	23	18	260.302	-615.069	D	0.000	22.067	22.068	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	262	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	263	23	9	272.589	-616.522	D	0.001	22.067	22.068	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	264	23	3	271.855	-617.469	D	0.002	22.067	22.069	0.01	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	265	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	266	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	267	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	271	23	36	260.273	-614.148	D	0.067	22.067	22.134	0.30	0.058	0.007	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2002	272	23	18	260.302	-615.069	D	1.744	22.067	23.811	7.90	1.672	0.046	0.006
0.006	0.004	0.009	0.000	3.730	2.710	3.820							
2002	273	23	35	273.293	-614.653	D	0.748	22.067	22.815	3.39	0.557	0.181	0.002
0.002	0.002	0.004	0.000	3.730	2.710	3.820							
2002	274	23	35	273.293	-614.653	D	1.410	22.056	23.467	6.39	1.036	0.340	0.007
0.007	0.005	0.011	0.003	3.720	2.690	3.760							
2002	275	23	36	260.273	-614.148	D	0.002	22.056	22.058	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	276	23	79	261.714	-611.334	D	0.031	22.056	22.088	0.14	0.023	0.008	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	277	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	278	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	279	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	280	23	1	270.326	-617.519	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	281	23	1	270.326	-617.519	D	0.035	22.056	22.092	0.16	0.022	0.013	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	282	23	18	260.302	-615.069	D	0.010	22.056	22.067	0.05	0.005	0.005	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	283	23	18	260.302	-615.069	D	0.004	22.056	22.060	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	284	23	18	260.302	-615.069	D	0.044	22.056	22.100	0.20	0.032	0.012	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	285	23	18	260.302	-615.069	D	0.012	22.056	22.068	0.05	0.008	0.003	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	286	23	18	260.302	-615.069	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							

2002	287	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	288	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	290	23	9	272.589	-616.522	D	0.879	22.056	22.935	3.98	0.731	0.137	0.003
0.002	0.002	0.004	0.000	3.720	2.690	3.760							
2002	291	23	35	273.293	-614.653	D	0.046	22.056	22.102	0.21	0.004	0.030	0.000
0.000	0.000	0.000	0.011	3.720	2.690	3.760							
2002	292	23	9	272.589	-616.522	D	0.450	22.056	22.507	2.04	0.177	0.272	0.000
0.000	0.000	0.000	0.002	3.720	2.690	3.760							
2002	293	23	18	260.302	-615.069	D	0.402	22.056	22.459	1.82	0.186	0.216	0.000
0.000	0.000	0.000	0.001	3.720	2.690	3.760							
2002	294	23	18	260.302	-615.069	D	0.189	22.056	22.245	0.86	0.104	0.084	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	295	23	18	260.302	-615.069	D	0.027	22.056	22.084	0.12	0.021	0.006	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	296	23	18	260.302	-615.069	D	0.015	22.056	22.071	0.07	0.013	0.002	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	297	23	3	271.855	-617.469	D	2.148	22.056	24.204	9.74	1.444	0.677	0.005
0.004	0.003	0.007	0.008	3.720	2.690	3.760							
2002	298	23	3	271.855	-617.469	D	0.077	22.056	22.133	0.35	0.047	0.029	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	299	23	1	270.326	-617.519	D	0.324	22.056	22.381	1.47	0.192	0.131	0.000
0.000	0.000	0.000	0.001	3.720	2.690	3.760							
2002	300	23	18	260.302	-615.069	D	0.236	22.056	22.292	1.07	0.127	0.105	0.000
0.000	0.000	0.000	0.003	3.720	2.690	3.760							
2002	301	23	52	272.499	-613.757	D	0.333	22.056	22.390	1.51	0.118	0.207	0.000
0.000	0.000	0.000	0.007	3.720	2.690	3.760							
2002	302	23	3	271.855	-617.469	D	0.003	22.056	22.060	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	303	23	18	260.302	-615.069	D	0.001	22.056	22.057	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	304	23	18	260.302	-615.069	D	0.002	22.056	22.059	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2002	305	23	79	261.714	-611.334	D	0.016	22.027	22.043	0.07	0.013	0.003	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	306	23	36	260.273	-614.148	D	0.062	22.027	22.090	0.28	0.049	0.013	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	307	23	18	260.302	-615.069	D	0.030	22.027	22.057	0.14	0.024	0.006	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	308	23	18	260.302	-615.069	D	0.097	22.027	22.124	0.44	0.079	0.018	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	309	23	3	271.855	-617.469	D	0.014	22.027	22.041	0.06	0.012	0.002	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	310	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	311	23	9	272.589	-616.522	D	0.433	22.027	22.460	1.97	0.331	0.096	0.002
0.002	0.001	0.002	0.000	3.680	2.670	3.770							
2002	312	23	35	273.293	-614.653	D	0.057	22.027	22.084	0.26	0.050	0.006	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	313	23	8	271.825	-616.547	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	314	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							

2002	315	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	316	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	317	23	9	272.589	-616.522	D	0.197	22.027	22.224	0.89	0.128	0.065	0.001
0.001	0.001	0.001	0.000	3.680	2.670	3.770							
2002	318	23	35	273.293	-614.653	D	0.075	22.027	22.102	0.34	0.041	0.033	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	319	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	320	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	321	23	3	271.855	-617.469	D	0.000	22.027	22.028	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	322	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	323	23	35	273.293	-614.653	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	324	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	325	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	326	23	9	272.589	-616.522	D	0.442	22.027	22.469	2.01	0.298	0.134	0.002
0.002	0.001	0.003	0.000	3.680	2.670	3.770							
2002	327	23	67	271.705	-612.860	D	1.104	22.027	23.131	5.01	0.673	0.414	0.004
0.004	0.003	0.006	0.000	3.680	2.670	3.770							
2002	328	23	3	271.855	-617.469	D	0.354	22.027	22.381	1.61	0.249	0.101	0.001
0.001	0.001	0.002	0.000	3.680	2.670	3.770							
2002	329	23	3	271.855	-617.469	D	0.053	22.027	22.080	0.24	0.036	0.016	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	330	23	3	271.855	-617.469	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	331	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	332	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	333	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	334	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2002	335	23	3	271.855	-617.469	D	0.150	22.185	22.335	0.68	0.074	0.073	0.001
0.001	0.000	0.001	0.000	3.880	2.790	3.930							
2002	336	23	1	270.326	-617.519	D	0.043	22.185	22.228	0.19	0.022	0.020	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	337	23	3	271.855	-617.469	D	0.043	22.185	22.228	0.20	0.024	0.017	0.000
0.000	0.000	0.000	0.002	3.880	2.790	3.930							
2002	338	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	340	23	3	271.855	-617.469	D	0.326	22.185	22.510	1.47	0.177	0.143	0.001
0.001	0.001	0.002	0.001	3.880	2.790	3.930							
2002	341	23	3	271.855	-617.469	D	6.401	22.185	28.586	28.85	3.798	2.526	0.016
0.018	0.011	0.027	0.006	3.880	2.790	3.930							
2002	342	23	18	260.302	-615.069	D	0.669	22.185	22.853	3.01	0.430	0.232	0.001
0.002	0.001	0.002	0.000	3.880	2.790	3.930							

2002	343	23	18	260.302	-615.069	D	0.003	22.185	22.188	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	344	23	18	260.302	-615.069	D	0.022	22.185	22.206	0.10	0.018	0.003	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	345	23	18	260.302	-615.069	D	4.866	22.185	27.051	21.94	2.852	1.951	0.013
0.014	0.009	0.021	0.007	3.880	2.790	3.930							
2002	346	23	18	260.302	-615.069	D	0.171	22.185	22.356	0.77	0.096	0.072	0.000
0.000	0.000	0.000	0.002	3.880	2.790	3.930							
2002	347	23	3	271.855	-617.469	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	348	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	349	23	9	272.589	-616.522	D	0.005	22.185	22.190	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	350	23	9	272.589	-616.522	D	0.004	22.185	22.189	0.02	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	351	23	35	273.293	-614.653	D	0.004	22.185	22.189	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	354	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	355	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	356	23	3	271.855	-617.469	D	0.012	22.185	22.197	0.06	0.008	0.004	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	357	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	359	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	360	23	3	271.855	-617.469	D	0.763	22.185	22.948	3.44	0.368	0.387	0.002
0.002	0.001	0.003	0.001	3.880	2.790	3.930							
2002	361	23	3	271.855	-617.469	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	362	23	18	260.302	-615.069	D	0.034	22.185	22.218	0.15	0.028	0.005	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2002	363	23	79	261.714	-611.334	D	0.003	22.185	22.188	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species												
Small	Large	SSalt											
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)					
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2002	341	23	3	271.855	-617.469	D	6.401	22.185	28.586	28.85	3.798	2.526	0.016
0.018	0.011	0.027	0.006	3.880	2.790	3.930	1						
2002	48	23	5	269.532	-616.622	D	5.844	21.835	27.679	26.77	1.797	3.843	0.034
0.031	0.022	0.048	0.070	3.440	2.530	3.520	2						
2002	345	23	18	260.302	-615.069	D	4.866	22.185	27.051	21.94	2.852	1.951	0.013
0.014	0.009	0.021	0.007	3.880	2.790	3.930	3						
2002	112	23	3	271.855	-617.469	D	3.887	21.680	25.567	17.93	2.712	1.073	0.020

--- Number of days with Extinction Change => 5.0 % : 25
--- Number of days with Extinction Change => 10.0 % : 10
--- Largest Extinction Change = 28.85 %

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

1 270.326 -617.519 D 0.248 21.955 22.203 1.13

--- Number of recs with Extinction Change > 1.0 % : 80

--- Largest Extinction Change = 1.13 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2001	365	23	1	270.326 -617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.880	2.790	3.930	
2002	1	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	
2002	2	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	
2002	3	23	35	273.293 -614.653	D	8.109	7.957	0.152	38.09	60.38	0.30	0.40	0.21	0.56	3.850	2.770	3.900	
2002	4	23	35	273.293 -614.653	D	8.352	7.957	0.395	52.48	44.50	0.24	0.29	0.16	0.42	1.90	3.850	2.770	3.900
2002	5	23	35	273.293 -614.653	D	7.965	7.957	0.008	74.87	24.26	0.12	0.13	0.08	0.19	0.35	3.850	2.770	3.900
2002	6	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	
2002	7	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	
2002	8	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	
2002	9	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900	

2002	10	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	11	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	12	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	13	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	14	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	15	23	35	273.293	-614.653	D	8.459	7.957	0.502	38.28	57.92	0.54	0.61	0.36	
0.90	1.38	3.850	2.770	3.900											
2002	16	23	18	260.302	-615.069	D	8.393	7.957	0.436	53.98	44.64	0.33	0.33	0.21	
0.50	0.00	3.850	2.770	3.900											
2002	17	23	18	260.302	-615.069	D	8.020	7.957	0.063	60.97	37.87	0.28	0.28	0.18	
0.42	0.00	3.850	2.770	3.900											
2002	18	23	18	260.302	-615.069	D	8.012	7.957	0.055	66.23	32.76	0.24	0.25	0.15	
0.37	0.00	3.850	2.770	3.900											
2002	19	23	9	272.589	-616.522	D	8.063	7.957	0.106	55.38	43.35	0.31	0.25	0.19	
0.40	0.11	3.850	2.770	3.900											
2002	20	23	3	271.855	-617.469	D	7.966	7.957	0.009	77.29	21.89	0.19	0.21	0.13	
0.31	0.00	3.850	2.770	3.900											
2002	21	23	19	261.066	-615.046	D	8.996	7.957	1.039	48.10	49.30	0.43	0.35	0.27	
0.56	0.99	3.850	2.770	3.900											
2002	22	23	79	261.714	-611.334	D	7.958	7.957	0.001	69.07	29.95	0.17	0.31	0.14	
0.42	0.00	3.850	2.770	3.900											
2002	23	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	24	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	25	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	26	23	9	272.589	-616.522	D	9.336	7.957	1.379	60.00	38.14	0.44	0.45	0.29	
0.68	0.01	3.850	2.770	3.900											
2002	27	23	35	273.293	-614.653	D	8.234	7.957	0.276	74.45	24.31	0.30	0.29	0.19	
0.45	0.00	3.850	2.770	3.900											
2002	28	23	35	273.293	-614.653	D	7.958	7.957	0.001	54.73	44.60	0.17	0.16	0.11	
0.25	0.00	3.850	2.770	3.900											
2002	29	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	30	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	31	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2002	32	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	33	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	37	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											

2002	38	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2002	39	23	35	273.293	-614.653	D	8.237	7.809	0.428	57.46	41.32	0.29	0.29	0.19	
0.45	0.01	3.440	2.530	3.520											
2002	40	23	35	273.293	-614.653	D	7.811	7.809	0.001	85.89	13.62	0.13	0.11	0.08	
0.18	0.00	3.440	2.530	3.520											
2002	41	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	42	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	43	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	44	23	18	260.302	-615.069	D	7.925	7.809	0.116	54.67	43.11	0.53	0.53	0.34	
0.80	0.02	3.440	2.530	3.520											
2002	45	23	35	273.293	-614.653	D	8.844	7.809	1.035	66.66	32.07	0.30	0.31	0.20	
0.46	0.00	3.440	2.530	3.520											
2002	46	23	3	271.855	-617.469	D	7.810	7.809	0.001	73.85	25.24	0.21	0.23	0.14	
0.34	0.00	3.440	2.530	3.520											
2002	47	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	48	23	5	269.532	-616.622	D	10.181	7.809	2.372	30.74	65.75	0.58	0.53	0.37	
0.83	1.19	3.440	2.530	3.520											
2002	49	23	35	273.293	-614.653	D	7.942	7.809	0.133	32.83	60.55	0.78	0.90	0.52	
1.32	3.10	3.440	2.530	3.520											
2002	50	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	51	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	52	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	53	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	54	23	35	273.293	-614.653	D	7.850	7.809	0.040	84.04	14.22	0.40	0.43	0.26	
0.64	0.00	3.440	2.530	3.520											
2002	55	23	35	273.293	-614.653	D	7.816	7.809	0.007	73.34	25.01	0.45	0.35	0.28	
0.58	0.00	3.440	2.530	3.520											
2002	56	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	57	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520											
2002	58	23	18	260.302	-615.069	D	8.037	7.809	0.228	46.22	52.33	0.36	0.34	0.23	
0.52	0.00	3.440	2.530	3.520											
2002	59	23	18	260.302	-615.069	D	8.855	7.809	1.045	31.71	63.52	0.61	0.59	0.39	
0.90	2.28	3.440	2.530	3.520											
2002	60	23	79	261.714	-611.334	D	7.928	7.701	0.227	43.41	53.37	0.19	0.18	0.12	
0.27	2.46	3.140	2.370	3.310											
2002	61	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	62	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	63	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	64	23	18	260.302	-615.069	D	7.752	7.701	0.051	72.46	26.11	0.35	0.33	0.23	
0.51	0.00	3.140	2.370	3.310											
2002	65	23	79	261.714	-611.334	D	7.707	7.701	0.006	71.91	26.33	0.41	0.43	0.27	
0.65	0.00	3.140	2.370	3.310											

2002	66	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310											
2002	67	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310											
2002	68	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310											
2002	69	23	18	260.302	-615.069	D	8.138	7.701	0.437	38.14	58.24	0.40	0.32	0.25	
0.52	2.13	3.140	2.370	3.310											
2002	70	23	18	260.302	-615.069	D	8.025	7.701	0.324	68.80	30.25	0.21	0.19	0.13	
0.30	0.12	3.140	2.370	3.310											
2002	71	23	3	271.855	-617.469	D	7.803	7.701	0.102	88.62	10.46	0.24	0.21	0.15	
0.33	0.00	3.140	2.370	3.310											
2002	72	23	35	273.293	-614.653	D	7.795	7.701	0.094	84.22	15.02	0.18	0.18	0.12	
0.28	0.00	3.140	2.370	3.310											
2002	73	23	35	273.293	-614.653	D	7.701	7.701	0.000	90.73	9.01	0.14	0.09	0.06	
0.14	0.00	3.140	2.370	3.310											
2002	74	23	3	271.855	-617.469	D	7.718	7.701	0.017	57.33	41.16	0.21	0.22	0.14	
0.33	0.63	3.140	2.370	3.310											
2002	75	23	3	271.855	-617.469	D	8.374	7.701	0.673	59.45	39.40	0.19	0.21	0.13	
0.31	0.31	3.140	2.370	3.310											
2002	76	23	18	260.302	-615.069	D	7.844	7.701	0.143	64.22	34.83	0.13	0.12	0.08	
0.18	0.44	3.140	2.370	3.310											
2002	77	23	9	272.589	-616.522	D	7.934	7.701	0.233	37.26	56.55	0.49	0.43	0.31	
0.68	4.29	3.140	2.370	3.310											
2002	78	23	1	270.326	-617.519	D	7.701	7.701	0.000	32.77	57.95	0.00	0.03	0.01	
0.04	8.79	3.140	2.370	3.310											
2002	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	80	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310											
2002	81	23	9	272.589	-616.522	D	8.209	7.701	0.508	70.05	27.66	0.54	0.56	0.35	
0.84	0.00	3.140	2.370	3.310											
2002	82	23	67	271.705	-612.860	D	7.817	7.701	0.116	76.61	21.43	0.48	0.46	0.31	
0.71	0.00	3.140	2.370	3.310											
2002	83	23	36	260.273	-614.148	D	7.715	7.701	0.014	73.39	25.31	0.31	0.31	0.20	
0.47	0.00	3.140	2.370	3.310											
2002	84	23	3	271.855	-617.469	D	7.702	7.701	0.001	72.43	26.35	0.30	0.28	0.18	
0.43	0.00	3.140	2.370	3.310											
2002	85	23	1	270.326	-617.519	D	7.701	7.701	0.000	85.55	12.11	0.00	0.28	0.16	
0.41	0.00	3.140	2.370	3.310											
2002	86	23	9	272.589	-616.522	D	8.358	7.701	0.656	75.89	22.09	0.48	0.48	0.31	
0.73	0.01	3.140	2.370	3.310											
2002	87	23	78	269.383	-612.012	D	7.841	7.701	0.140	70.72	28.26	0.26	0.23	0.16	
0.37	0.00	3.140	2.370	3.310											
2002	88	23	3	271.855	-617.469	D	7.711	7.701	0.010	82.28	16.43	0.32	0.27	0.20	
0.43	0.07	3.140	2.370	3.310											
2002	89	23	18	260.302	-615.069	D	7.702	7.701	0.001	61.97	34.73	0.11	0.11	0.08	
0.17	2.89	3.140	2.370	3.310											
2002	90	23	3	271.855	-617.469	D	7.736	7.701	0.035	87.25	10.48	0.63	0.46	0.39	
0.78	0.01	3.140	2.370	3.310											
2002	91	23	9	272.589	-616.522	D	7.892	7.738	0.154	76.16	22.19	0.40	0.38	0.26	
0.59	0.01	3.240	2.430	3.410											
2002	92	23	3	271.855	-617.469	D	7.744	7.738	0.006	74.47	24.91	0.14	0.15	0.09	
0.23	0.00	3.240	2.430	3.410											
2002	93	23	1	270.326	-617.519	D	7.738	7.738	0.000	95.42	4.02	0.12	0.10	0.08	
0.17	0.00	3.240	2.430	3.410											

2002	94	23	18	260.302	-615.069	D	7.738	7.738	0.000	95.90	3.84	0.12	0.06	0.04
0.09	0.00	3.240	2.430	3.410										
2002	95	23	18	260.302	-615.069	D	7.744	7.738	0.006	92.82	6.80	0.09	0.09	0.06
0.14	0.00	3.240	2.430	3.410										
2002	96	23	19	261.066	-615.046	D	8.645	7.738	0.907	33.41	59.97	0.89	0.68	0.55
1.12	3.39	3.240	2.430	3.410										
2002	97	23	36	260.273	-614.148	D	7.747	7.738	0.009	91.77	7.72	0.12	0.12	0.08
0.19	0.00	3.240	2.430	3.410										
2002	98	23	18	260.302	-615.069	D	7.745	7.738	0.007	90.91	8.74	0.09	0.09	0.06
0.13	0.00	3.240	2.430	3.410										
2002	99	23	18	260.302	-615.069	D	7.743	7.738	0.005	93.82	5.91	0.07	0.06	0.04
0.10	0.00	3.240	2.430	3.410										
2002	100	23	3	271.855	-617.469	D	8.160	7.738	0.422	91.36	7.23	0.35	0.33	0.22
0.51	0.00	3.240	2.430	3.410										
2002	101	23	35	273.293	-614.653	D	7.950	7.738	0.212	83.04	15.87	0.26	0.26	0.17
0.40	0.00	3.240	2.430	3.410										
2002	102	23	3	271.855	-617.469	D	7.984	7.738	0.246	87.62	11.03	0.32	0.32	0.21
0.49	0.00	3.240	2.430	3.410										
2002	103	23	35	273.293	-614.653	D	7.884	7.738	0.146	76.64	22.16	0.29	0.28	0.19
0.44	0.00	3.240	2.430	3.410										
2002	104	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	108	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	112	23	3	271.855	-617.469	D	9.387	7.738	1.649	69.76	27.59	0.52	0.53	0.34
0.81	0.44	3.240	2.430	3.410										
2002	113	23	67	271.705	-612.860	D	7.743	7.738	0.005	77.60	21.25	0.33	0.23	0.20
0.39	0.00	3.240	2.430	3.410										
2002	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	115	23	18	260.302	-615.069	D	7.883	7.738	0.145	69.86	29.18	0.23	0.22	0.15
0.34	0.00	3.240	2.430	3.410										
2002	116	23	18	260.302	-615.069	D	7.880	7.738	0.142	35.45	58.36	0.74	0.74	0.48
1.12	3.11	3.240	2.430	3.410										
2002	117	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	118	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	119	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	120	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2002	121	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										

2002	122	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	123	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	124	23	3	271.855	-617.469	D	8.176	7.892	0.285	86.70	11.90	0.32	0.32	0.21	
0.48	0.07	3.660	2.680	3.830											
2002	125	23	67	271.705	-612.860	D	7.928	7.892	0.036	82.49	16.43	0.24	0.27	0.16	
0.40	0.01	3.660	2.680	3.830											
2002	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	128	23	3	271.855	-617.469	D	7.892	7.892	0.000	85.66	12.88	0.26	0.38	0.21	
0.55	0.17	3.660	2.680	3.830											
2002	129	23	35	273.293	-614.653	D	8.014	7.892	0.122	69.58	29.70	0.13	0.14	0.09	
0.21	0.15	3.660	2.680	3.830											
2002	130	23	18	260.302	-615.069	D	8.222	7.892	0.330	46.88	51.08	0.40	0.42	0.26	
0.63	0.33	3.660	2.680	3.830											
2002	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	132	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	133	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	134	23	10	265.680	-615.823	D	8.684	7.892	0.792	87.28	9.85	0.69	0.64	0.44	
1.00	0.10	3.660	2.680	3.830											
2002	135	23	18	260.302	-615.069	D	7.899	7.892	0.008	94.89	4.02	0.26	0.26	0.17	
0.40	0.00	3.660	2.680	3.830											
2002	136	23	35	273.293	-614.653	D	7.896	7.892	0.005	87.98	11.21	0.19	0.19	0.13	
0.29	0.00	3.660	2.680	3.830											
2002	137	23	3	271.855	-617.469	D	7.892	7.892	0.000	93.02	6.55	0.10	0.08	0.04	
0.12	0.03	3.660	2.680	3.830											
2002	138	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	139	23	1	270.326	-617.519	D	7.892	7.892	0.000	81.25	0.00	0.00	0.02	0.01	
0.03	0.00	3.660	2.680	3.830											
2002	140	23	18	260.302	-615.069	D	7.892	7.892	0.000	94.55	3.60	0.45	0.42	0.27	
0.64	0.00	3.660	2.680	3.830											
2002	141	23	18	260.302	-615.069	D	8.442	7.892	0.550	76.28	20.45	0.76	0.67	0.48	
1.05	0.31	3.660	2.680	3.830											
2002	142	23	35	273.293	-614.653	D	7.893	7.892	0.001	79.10	17.99	0.71	0.69	0.46	
1.06	0.00	3.660	2.680	3.830											
2002	143	23	35	273.293	-614.653	D	7.894	7.892	0.003	80.86	17.46	0.31	0.49	0.23	
0.67	0.00	3.660	2.680	3.830											
2002	144	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	145	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830											
2002	146	23	35	273.293	-614.653	D	7.899	7.892	0.008	78.46	20.74	0.12	0.25	0.09	
0.33	0.00	3.660	2.680	3.830											
2002	147	23	35	273.293	-614.653	D	7.994	7.892	0.102	57.78	41.16	0.25	0.26	0.16	
0.39	0.00	3.660	2.680	3.830											
2002	148	23	67	271.705	-612.860	D	7.896	7.892	0.004	72.91	26.58	0.09	0.10	0.06	
0.15	0.10	3.660	2.680	3.830											
2002	149	23	79	261.714	-611.334	D	8.019	7.892	0.127	88.93	10.43	0.15	0.16	0.10	
0.23	0.01	3.660	2.680	3.830											

2002	150	23	79	261.714	-611.334	D	7.905	7.892	0.014	91.38	8.05	0.12	0.14	0.08
0.21	0.00	3.660	2.680	3.830										
2002	151	23	18	260.302	-615.069	D	7.911	7.892	0.020	88.86	10.00	0.26	0.28	0.17
0.42	0.00	3.660	2.680	3.830										
2002	152	23	79	261.714	-611.334	D	8.111	7.910	0.201	75.37	23.59	0.25	0.25	0.16
0.38	0.00	3.710	2.710	3.880										
2002	153	23	35	273.293	-614.653	D	7.912	7.910	0.003	86.59	11.17	0.53	0.54	0.34
0.82	0.00	3.710	2.710	3.880										
2002	154	23	35	273.293	-614.653	D	7.911	7.910	0.001	92.51	6.22	0.27	0.34	0.18
0.49	0.00	3.710	2.710	3.880										
2002	155	23	18	260.302	-615.069	D	7.910	7.910	0.000	96.05	1.81	0.00	0.03	0.01
0.04	0.00	3.710	2.710	3.880										
2002	156	23	10	265.680	-615.823	D	7.910	7.910	0.000	95.45	1.99	0.00	0.02	0.02
0.03	0.00	3.710	2.710	3.880										
2002	157	23	18	260.302	-615.069	D	7.910	7.910	0.000	98.15	1.79	0.00	0.01	0.01
0.02	0.00	3.710	2.710	3.880										
2002	158	23	18	260.302	-615.069	D	7.912	7.910	0.002	97.26	2.24	0.11	0.14	0.07
0.20	0.00	3.710	2.710	3.880										
2002	159	23	3	271.855	-617.469	D	8.190	7.910	0.281	70.12	28.01	0.39	0.37	0.25
0.57	0.30	3.710	2.710	3.880										
2002	160	23	35	273.293	-614.653	D	8.801	7.910	0.891	62.97	33.26	0.52	0.52	0.34
0.79	1.60	3.710	2.710	3.880										
2002	161	23	35	273.293	-614.653	D	8.143	7.910	0.233	80.69	17.21	0.37	0.37	0.24
0.56	0.55	3.710	2.710	3.880										
2002	162	23	35	273.293	-614.653	D	7.991	7.910	0.081	95.41	1.93	0.64	0.63	0.42
0.96	0.01	3.710	2.710	3.880										
2002	163	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	166	23	1	270.326	-617.519	D	7.910	7.910	0.000	97.92	0.38	0.00	0.25	0.08
0.32	0.00	3.710	2.710	3.880										
2002	167	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	168	23	1	270.326	-617.519	D	7.910	7.910	0.001	92.09	7.80	0.03	0.04	0.03
0.06	0.00	3.710	2.710	3.880										
2002	169	23	18	260.302	-615.069	D	8.139	7.910	0.230	93.88	2.83	0.73	0.70	0.47
1.08	0.31	3.710	2.710	3.880										
2002	170	23	67	271.705	-612.860	D	8.364	7.910	0.454	83.01	14.10	0.62	0.59	0.40
0.91	0.39	3.710	2.710	3.880										
2002	171	23	53	261.008	-613.202	D	7.910	7.910	0.000	94.41	5.11	0.11	0.10	0.08
0.16	0.00	3.710	2.710	3.880										
2002	172	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	173	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	174	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2002	175	23	3	271.855	-617.469	D	7.921	7.910	0.012	85.12	13.81	0.26	0.25	0.17
0.39	0.00	3.710	2.710	3.880										
2002	176	23	3	271.855	-617.469	D	8.033	7.910	0.123	81.56	17.75	0.15	0.17	0.10
0.26	0.00	3.710	2.710	3.880										
2002	177	23	35	273.293	-614.653	D	7.945	7.910	0.036	89.65	9.85	0.11	0.13	0.07
0.19	0.00	3.710	2.710	3.880										

2002	178	23	3	271.855	-617.469	D	8.433	7.910	0.523	95.08	4.12	0.19	0.19	0.12
0.29	0.00	3.710	2.710	3.880										
2002	179	23	80	262.478	-611.310	D	8.052	7.910	0.142	86.94	12.42	0.16	0.15	0.10
0.23	0.00	3.710	2.710	3.880										
2002	180	23	35	273.293	-614.653	D	8.039	7.910	0.130	66.51	30.63	0.49	0.53	0.32
0.79	0.73	3.710	2.710	3.880										
2002	181	23	35	273.293	-614.653	D	8.333	7.910	0.423	87.45	11.44	0.28	0.25	0.18
0.40	0.00	3.710	2.710	3.880										
2002	182	23	18	260.302	-615.069	D	7.920	7.830	0.090	81.68	17.69	0.15	0.15	0.10
0.23	0.01	3.490	2.590	3.690										
2002	183	23	35	273.293	-614.653	D	7.909	7.830	0.078	83.80	15.63	0.12	0.13	0.08
0.19	0.05	3.490	2.590	3.690										
2002	184	23	1	270.326	-617.519	D	8.431	7.830	0.600	88.93	10.22	0.20	0.19	0.13
0.30	0.02	3.490	2.590	3.690										
2002	185	23	18	260.302	-615.069	D	8.045	7.830	0.214	89.09	10.24	0.17	0.15	0.11
0.24	0.00	3.490	2.590	3.690										
2002	186	23	18	260.302	-615.069	D	7.847	7.830	0.017	87.86	11.70	0.11	0.10	0.07
0.16	0.00	3.490	2.590	3.690										
2002	187	23	18	260.302	-615.069	D	7.832	7.830	0.001	88.79	10.66	0.14	0.13	0.08
0.20	0.00	3.490	2.590	3.690										
2002	188	23	79	261.714	-611.334	D	7.831	7.830	0.000	96.61	2.64	0.09	0.25	0.10
0.33	0.00	3.490	2.590	3.690										
2002	189	23	18	260.302	-615.069	D	7.837	7.830	0.007	97.01	1.92	0.27	0.24	0.17
0.38	0.00	3.490	2.590	3.690										
2002	190	23	18	260.302	-615.069	D	7.886	7.830	0.055	94.90	4.03	0.27	0.24	0.17
0.38	0.00	3.490	2.590	3.690										
2002	191	23	3	271.855	-617.469	D	7.869	7.830	0.038	92.99	6.09	0.23	0.21	0.15
0.33	0.00	3.490	2.590	3.690										
2002	192	23	18	260.302	-615.069	D	7.845	7.830	0.015	94.31	5.27	0.10	0.10	0.07
0.15	0.00	3.490	2.590	3.690										
2002	193	23	18	260.302	-615.069	D	7.839	7.830	0.008	91.36	8.27	0.09	0.09	0.06
0.14	0.00	3.490	2.590	3.690										
2002	194	23	18	260.302	-615.069	D	7.835	7.830	0.004	90.83	8.85	0.08	0.07	0.05
0.11	0.00	3.490	2.590	3.690										
2002	195	23	18	260.302	-615.069	D	7.832	7.830	0.001	93.26	6.38	0.13	0.04	0.07
0.10	0.00	3.490	2.590	3.690										
2002	196	23	36	260.273	-614.148	D	7.831	7.830	0.001	90.26	9.42	0.11	0.04	0.07
0.09	0.00	3.490	2.590	3.690										
2002	197	23	9	272.589	-616.522	D	7.832	7.830	0.002	57.99	36.05	0.23	0.23	0.15
0.35	4.98	3.490	2.590	3.690										
2002	198	23	1	270.326	-617.519	D	7.830	7.830	0.000	95.42	4.58	0.00	0.03	0.03
0.05	0.00	3.490	2.590	3.690										
2002	199	23	1	270.326	-617.519	D	7.830	7.830	0.000	96.09	3.12	0.00	0.03	0.03
0.05	0.00	3.490	2.590	3.690										
2002	200	23	1	270.326	-617.519	D	7.830	7.830	0.000	50.00	3.12	0.00	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2002	201	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	202	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	203	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	204	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	205	23	3	271.855	-617.469	D	7.831	7.830	0.000	98.98	1.59	0.00	0.05	0.04
0.08	0.00	3.490	2.590	3.690										

2002	206	23	9	272.589	-616.522	D	7.831	7.830	0.000	90.50	9.37	0.05	0.04	0.03
0.06	0.00	3.490	2.590	3.690										
2002	207	23	1	270.326	-617.519	D	7.830	7.830	0.000	89.58	4.17	0.00	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2002	208	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	209	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	212	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2002	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	218	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	219	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	220	23	18	260.302	-615.069	D	7.848	7.837	0.011	96.47	1.54	0.54	0.42	0.34
0.69	0.00	3.510	2.600	3.680										
2002	221	23	79	261.714	-611.334	D	8.775	7.837	0.938	63.24	35.14	0.39	0.38	0.25
0.58	0.02	3.510	2.600	3.680										
2002	222	23	18	260.302	-615.069	D	8.079	7.837	0.242	93.99	2.54	0.83	0.74	0.53
1.17	0.20	3.510	2.600	3.680										
2002	223	23	35	273.293	-614.653	D	8.246	7.837	0.409	85.25	12.38	0.55	0.56	0.36
0.85	0.05	3.510	2.600	3.680										
2002	224	23	36	260.273	-614.148	D	7.843	7.837	0.006	95.91	3.54	0.13	0.14	0.08
0.20	0.00	3.510	2.600	3.680										
2002	225	23	18	260.302	-615.069	D	7.846	7.837	0.009	95.81	3.65	0.12	0.14	0.08
0.20	0.00	3.510	2.600	3.680										
2002	226	23	79	261.714	-611.334	D	7.844	7.837	0.007	96.58	2.91	0.11	0.13	0.08
0.19	0.00	3.510	2.600	3.680										
2002	227	23	35	273.293	-614.653	D	7.868	7.837	0.031	83.26	9.03	0.15	0.28	0.12
0.37	6.79	3.510	2.600	3.680										
2002	228	23	1	270.326	-617.519	D	7.837	7.837	0.000	81.25	1.56	0.00	0.05	0.02
0.06	0.00	3.510	2.600	3.680										
2002	229	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	230	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	231	23	9	272.589	-616.522	D	7.841	7.837	0.004	97.68	0.89	0.43	0.27	0.26
0.47	0.00	3.510	2.600	3.680										
2002	232	23	35	273.293	-614.653	D	8.973	7.837	1.136	84.23	14.47	0.31	0.29	0.20
0.45	0.07	3.510	2.600	3.680										
2002	233	23	3	271.855	-617.469	D	9.015	7.837	1.178	97.33	1.25	0.35	0.33	0.23
0.51	0.00	3.510	2.600	3.680										

2002	234	23	35	273.293	-614.653	D	8.042	7.837	0.205	95.49	3.33	0.29	0.28	0.19
0.43	0.00	3.510	2.600	3.680										
2002	235	23	35	273.293	-614.653	D	7.838	7.837	0.001	91.77	7.57	0.16	0.15	0.10
0.24	0.00	3.510	2.600	3.680										
2002	236	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	237	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	238	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	239	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	240	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	241	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	242	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	243	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2002	244	23	18	260.302	-615.069	D	7.917	7.915	0.002	98.29	0.60	0.29	0.24	0.18
0.39	0.00	3.730	2.710	3.820										
2002	245	23	79	261.714	-611.334	D	7.929	7.915	0.014	94.01	5.15	0.21	0.19	0.14
0.30	0.00	3.730	2.710	3.820										
2002	246	23	78	269.383	-612.012	D	7.939	7.915	0.024	91.03	8.33	0.17	0.14	0.11
0.23	0.00	3.730	2.710	3.820										
2002	247	23	79	261.714	-611.334	D	7.927	7.915	0.011	92.02	7.36	0.15	0.15	0.10
0.23	0.00	3.730	2.710	3.820										
2002	248	23	79	261.714	-611.334	D	7.919	7.915	0.004	93.98	5.38	0.13	0.17	0.09
0.25	0.00	3.730	2.710	3.820										
2002	249	23	18	260.302	-615.069	D	7.915	7.915	0.000	95.73	3.54	0.12	0.18	0.09
0.25	0.00	3.730	2.710	3.820										
2002	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	95.19	0.96	0.00	0.29	0.09
0.36	0.00	3.730	2.710	3.820										
2002	251	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	252	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	253	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	254	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2002	255	23	1	270.326	-617.519	D	7.915	7.915	0.000	50.00	0.00	0.00	0.02	0.02
0.03	0.00	3.730	2.710	3.820										
2002	256	23	18	260.302	-615.069	D	8.146	7.915	0.231	97.83	1.22	0.24	0.22	0.15
0.34	0.00	3.730	2.710	3.820										
2002	257	23	3	271.855	-617.469	D	8.240	7.915	0.325	95.55	3.63	0.20	0.19	0.13
0.30	0.00	3.730	2.710	3.820										
2002	258	23	3	271.855	-617.469	D	8.064	7.915	0.149	90.25	9.16	0.15	0.13	0.10
0.21	0.00	3.730	2.710	3.820										
2002	259	23	18	260.302	-615.069	D	8.059	7.915	0.144	89.67	9.78	0.13	0.13	0.09
0.20	0.00	3.730	2.710	3.820										
2002	260	23	78	269.383	-612.012	D	7.955	7.915	0.040	92.44	7.02	0.13	0.13	0.08
0.19	0.00	3.730	2.710	3.820										
2002	261	23	18	260.302	-615.069	D	7.915	7.915	0.000	97.53	2.33	0.10	0.04	0.06
0.09	0.00	3.730	2.710	3.820										

2002	262	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	263	23	9	272.589	-616.522	D	7.915	7.915	0.000	13.48	86.06	0.00	0.00	0.00	0.00
0.00	0.49	3.730	2.710	3.820											
2002	264	23	3	271.855	-617.469	D	7.916	7.915	0.001	8.18	91.83	0.00	0.00	0.00	0.00
0.00	0.04	3.730	2.710	3.820											
2002	265	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	266	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	267	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820											
2002	271	23	36	260.273	-614.148	D	7.945	7.915	0.030	87.69	10.98	0.32	0.32	0.21	
0.49	0.00	3.730	2.710	3.820											
2002	272	23	18	260.302	-615.069	D	8.676	7.915	0.761	95.87	2.65	0.36	0.35	0.23	
0.54	0.00	3.730	2.710	3.820											
2002	273	23	35	273.293	-614.653	D	8.248	7.915	0.333	74.51	24.14	0.32	0.33	0.21	
0.50	0.00	3.730	2.710	3.820											
2002	274	23	35	273.293	-614.653	D	8.530	7.910	0.620	73.47	24.12	0.52	0.52	0.34	
0.79	0.24	3.720	2.690	3.760											
2002	275	23	36	260.273	-614.148	D	7.911	7.910	0.001	81.94	16.32	0.41	0.43	0.27	
0.65	0.01	3.720	2.690	3.760											
2002	276	23	79	261.714	-611.334	D	7.924	7.910	0.014	73.25	25.69	0.15	0.23	0.11	
0.32	0.26	3.720	2.690	3.760											
2002	277	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760											
2002	278	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760											
2002	279	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760											
2002	280	23	1	270.326	-617.519	D	7.910	7.910	0.000	89.24	10.90	0.00	0.01	0.00	
0.01	0.01	3.720	2.690	3.760											
2002	281	23	1	270.326	-617.519	D	7.926	7.910	0.016	62.56	37.38	0.01	0.01	0.01	
0.01	0.01	3.720	2.690	3.760											
2002	282	23	18	260.302	-615.069	D	7.915	7.910	0.005	48.88	48.29	0.04	0.01	0.02	
0.03	2.73	3.720	2.690	3.760											
2002	283	23	18	260.302	-615.069	D	7.912	7.910	0.002	82.41	17.61	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2002	284	23	18	260.302	-615.069	D	7.930	7.910	0.020	73.10	26.80	0.02	0.02	0.01	
0.03	0.01	3.720	2.690	3.760											
2002	285	23	18	260.302	-615.069	D	7.915	7.910	0.005	69.80	30.15	0.01	0.01	0.01	
0.02	0.00	3.720	2.690	3.760											
2002	286	23	18	260.302	-615.069	D	7.910	7.910	0.000	93.22	6.46	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2002	287	23	1	270.326	-617.519	D	7.910	7.910	0.000	100.00	3.65	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2002	288	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760											
2002	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760											

2002	290	23	9	272.589	-616.522	D	8.301	7.910	0.391	83.22	15.60	0.30	0.26	0.19
0.41	0.03	3.720	2.690	3.760										
2002	291	23	35	273.293	-614.653	D	7.931	7.910	0.021	8.71	66.56	0.02	0.02	0.01
0.03	24.66	3.720	2.690	3.760										
2002	292	23	9	272.589	-616.522	D	8.112	7.910	0.202	39.28	60.32	0.01	0.01	0.00
0.01	0.38	3.720	2.690	3.760										
2002	293	23	18	260.302	-615.069	D	8.091	7.910	0.181	46.24	53.61	0.01	0.01	0.00
0.01	0.13	3.720	2.690	3.760										
2002	294	23	18	260.302	-615.069	D	7.995	7.910	0.085	55.18	44.73	0.01	0.01	0.01
0.01	0.06	3.720	2.690	3.760										
2002	295	23	18	260.302	-615.069	D	7.923	7.910	0.012	78.25	21.67	0.02	0.01	0.01
0.02	0.01	3.720	2.690	3.760										
2002	296	23	18	260.302	-615.069	D	7.917	7.910	0.007	85.98	13.87	0.02	0.02	0.01
0.03	0.06	3.720	2.690	3.760										
2002	297	23	3	271.855	-617.469	D	8.840	7.910	0.929	67.24	31.50	0.22	0.21	0.14
0.32	0.39	3.720	2.690	3.760										
2002	298	23	3	271.855	-617.469	D	7.945	7.910	0.035	61.28	38.01	0.12	0.12	0.07
0.18	0.23	3.720	2.690	3.760										
2002	299	23	1	270.326	-617.519	D	8.056	7.910	0.146	59.33	40.35	0.04	0.04	0.03
0.06	0.16	3.720	2.690	3.760										
2002	300	23	18	260.302	-615.069	D	8.016	7.910	0.106	53.91	44.57	0.04	0.02	0.02
0.04	1.39	3.720	2.690	3.760										
2002	301	23	52	272.499	-613.757	D	8.060	7.910	0.150	35.49	62.22	0.03	0.03	0.02
0.04	2.17	3.720	2.690	3.760										
2002	302	23	3	271.855	-617.469	D	7.912	7.910	0.001	53.29	46.41	0.01	0.00	0.01
0.01	0.26	3.720	2.690	3.760										
2002	303	23	18	260.302	-615.069	D	7.911	7.910	0.000	69.05	30.82	0.00	0.01	0.01
0.02	0.02	3.720	2.690	3.760										
2002	304	23	18	260.302	-615.069	D	7.911	7.910	0.001	84.84	15.02	0.02	0.03	0.02
0.05	0.00	3.720	2.690	3.760										
2002	305	23	79	261.714	-611.334	D	7.904	7.897	0.007	79.75	20.09	0.04	0.04	0.02
0.06	0.00	3.680	2.670	3.770										
2002	306	23	36	260.273	-614.148	D	7.925	7.897	0.028	78.14	21.57	0.06	0.05	0.04
0.09	0.05	3.680	2.670	3.770										
2002	307	23	18	260.302	-615.069	D	7.910	7.897	0.014	79.75	20.03	0.06	0.05	0.04
0.08	0.00	3.680	2.670	3.770										
2002	308	23	18	260.302	-615.069	D	7.941	7.897	0.044	81.13	18.67	0.04	0.05	0.03
0.07	0.01	3.680	2.670	3.770										
2002	309	23	3	271.855	-617.469	D	7.903	7.897	0.006	84.02	15.84	0.03	0.04	0.02
0.05	0.00	3.680	2.670	3.770										
2002	310	23	18	260.302	-615.069	D	7.897	7.897	0.000	88.54	11.72	0.00	0.09	0.06
0.15	0.00	3.680	2.670	3.770										
2002	311	23	9	272.589	-616.522	D	8.092	7.897	0.195	76.34	22.09	0.38	0.37	0.25
0.57	0.00	3.680	2.670	3.770										
2002	312	23	35	273.293	-614.653	D	7.923	7.897	0.026	87.63	11.17	0.28	0.29	0.18
0.44	0.00	3.680	2.670	3.770										
2002	313	23	8	271.825	-616.547	D	7.897	7.897	0.000	81.84	17.53	0.00	0.01	0.02
0.03	0.00	3.680	2.670	3.770										
2002	314	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	315	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	316	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	317	23	9	272.589	-616.522	D	7.986	7.897	0.089	65.04	33.17	0.45	0.40	0.29
0.63	0.01	3.680	2.670	3.770										

2002	318	23	35	273.293	-614.653	D	7.931	7.897	0.034	55.08	43.54	0.34	0.32	0.22
0.49	0.01	3.680	2.670	3.770										
2002	319	23	1	270.326	-617.519	D	7.897	7.897	0.000	81.25	18.75	0.00	0.06	0.13
0.17	0.00	3.680	2.670	3.770										
2002	320	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	321	23	3	271.855	-617.469	D	7.897	7.897	0.000	73.42	24.27	0.48	0.64	0.36
0.93	0.00	3.680	2.670	3.770										
2002	322	23	1	270.326	-617.519	D	7.897	7.897	0.000	60.42	40.97	0.00	0.11	0.23
0.29	0.00	3.680	2.670	3.770										
2002	323	23	35	273.293	-614.653	D	7.897	7.897	0.001	63.27	35.48	0.39	0.21	0.23
0.39	0.00	3.680	2.670	3.770										
2002	324	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	325	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	326	23	9	272.589	-616.522	D	8.095	7.897	0.199	67.51	30.37	0.50	0.51	0.32
0.77	0.02	3.680	2.670	3.770										
2002	327	23	67	271.705	-612.860	D	8.386	7.897	0.489	60.96	37.52	0.38	0.35	0.24
0.55	0.01	3.680	2.670	3.770										
2002	328	23	3	271.855	-617.469	D	8.056	7.897	0.159	70.23	28.47	0.31	0.31	0.20
0.47	0.00	3.680	2.670	3.770										
2002	329	23	3	271.855	-617.469	D	7.921	7.897	0.024	68.20	30.76	0.26	0.24	0.17
0.37	0.00	3.680	2.670	3.770										
2002	330	23	3	271.855	-617.469	D	7.897	7.897	0.000	81.25	11.25	0.00	0.11	0.08
0.17	0.00	3.680	2.670	3.770										
2002	331	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	332	23	1	270.326	-617.519	D	7.897	7.897	0.000	118.75	12.50	0.00	0.05	0.11
0.14	0.00	3.680	2.670	3.770										
2002	333	23	1	270.326	-617.519	D	7.897	7.897	0.000	90.91	10.80	0.00	0.04	0.08
0.11	0.00	3.680	2.670	3.770										
2002	334	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2002	335	23	3	271.855	-617.469	D	8.036	7.968	0.067	49.31	48.90	0.44	0.39	0.28
0.62	0.06	3.880	2.790	3.930										
2002	336	23	1	270.326	-617.519	D	7.988	7.968	0.019	51.80	46.95	0.30	0.28	0.19
0.44	0.03	3.880	2.790	3.930										
2002	337	23	3	271.855	-617.469	D	7.988	7.968	0.020	55.49	39.09	0.06	0.06	0.04
0.09	5.18	3.880	2.790	3.930										
2002	338	23	1	270.326	-617.519	D	7.968	7.968	0.000	92.25	6.71	0.00	0.03	0.02
0.05	0.06	3.880	2.790	3.930										
2002	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	340	23	3	271.855	-617.469	D	8.114	7.968	0.146	54.52	43.96	0.28	0.35	0.19
0.50	0.21	3.880	2.790	3.930										
2002	341	23	3	271.855	-617.469	D	10.503	7.968	2.535	59.33	39.45	0.25	0.28	0.17
0.42	0.09	3.880	2.790	3.930										
2002	342	23	18	260.302	-615.069	D	8.265	7.968	0.297	64.31	34.73	0.21	0.23	0.14
0.34	0.06	3.880	2.790	3.930										
2002	343	23	18	260.302	-615.069	D	7.970	7.968	0.001	87.32	12.20	0.06	0.15	0.05
0.20	0.01	3.880	2.790	3.930										
2002	344	23	18	260.302	-615.069	D	7.978	7.968	0.010	85.23	14.50	0.04	0.08	0.03
0.11	0.01	3.880	2.790	3.930										
2002	345	23	18	260.302	-615.069	D	9.951	7.968	1.983	58.60	40.08	0.27	0.28	0.18
0.43	0.15	3.880	2.790	3.930										

2002	346	23	18	260.302	-615.069	D	8.045	7.968	0.077	56.51	41.96	0.09	0.08	0.05
0.12	1.19	3.880	2.790	3.930										
2002	347	23	3	271.855	-617.469	D	7.968	7.968	0.000	83.97	15.66	0.00	0.03	0.02
0.04	0.01	3.880	2.790	3.930										
2002	348	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	349	23	9	272.589	-616.522	D	7.970	7.968	0.002	71.06	27.91	0.23	0.27	0.15
0.39	0.00	3.880	2.790	3.930										
2002	350	23	9	272.589	-616.522	D	7.970	7.968	0.002	87.93	10.88	0.27	0.30	0.18
0.45	0.00	3.880	2.790	3.930										
2002	351	23	35	273.293	-614.653	D	7.970	7.968	0.002	88.10	10.58	0.23	0.38	0.17
0.52	0.00	3.880	2.790	3.930										
2002	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	353	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	354	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	355	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	356	23	3	271.855	-617.469	D	7.974	7.968	0.006	65.50	33.65	0.22	0.18	0.14
0.29	0.03	3.880	2.790	3.930										
2002	357	23	1	270.326	-617.519	D	7.968	7.968	0.000	87.74	11.82	0.00	0.01	0.00
0.01	0.41	3.880	2.790	3.930										
2002	358	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2002	359	23	1	270.326	-617.519	D	7.968	7.968	0.000	38.30	60.11	0.53	0.10	0.21
0.27	0.22	3.880	2.790	3.930										
2002	360	23	3	271.855	-617.469	D	8.306	7.968	0.338	48.15	50.66	0.27	0.22	0.17
0.36	0.18	3.880	2.790	3.930										
2002	361	23	3	271.855	-617.469	D	7.968	7.968	0.000	74.09	25.13	0.15	0.13	0.14
0.24	0.00	3.880	2.790	3.930										
2002	362	23	18	260.302	-615.069	D	7.983	7.968	0.015	84.05	15.06	0.23	0.19	0.15
0.31	0.00	3.880	2.790	3.930										
2002	363	23	79	261.714	-611.334	D	7.970	7.968	0.002	83.08	15.98	0.22	0.22	0.14
0.34	0.00	3.880	2.790	3.930										

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species																						
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)		
			2002	341	23	3	271.855	-617.469	D	10.503	7.968	2.535	59.33	39.45	0.25	0.28	0.17	0.42	0.09	3.880	2.790	3.930	
						1																	
			2002	48	23	5	269.532	-616.622	D	10.181	7.809	2.372	30.74	65.75	0.58	0.53	0.37	0.83	1.19	3.440	2.530	3.520	
						2																	
			2002	345	23	18	260.302	-615.069	D	9.951	7.968	1.983	58.60	40.08	0.27	0.28	0.18	0.43	0.15	3.880	2.790	3.930	
						3																	
			2002	112	23	3	271.855	-617.469	D	9.387	7.738	1.649	69.76	27.59	0.52	0.53	0.34	0.81	0.44	3.240	2.430	3.410	
						4																	
			2002	26	23	9	272.589	-616.522	D	9.336	7.957	1.379	60.00	38.14	0.44	0.45	0.29	0.68	0.01	3.850	2.770	3.900	
						5																	
			2002	233	23	3	271.855	-617.469	D	9.015	7.837	1.178	97.33	1.25	0.35	0.33	0.23	0.51	0.00	3.510	2.600	3.680	
						6																	
			2002	232	23	35	273.293	-614.653	D	8.973	7.837	1.136	84.23	14.47	0.31	0.29	0.20	0.34	0.00	3.880	2.790	3.930	

--- Number of days with Delta-Deciview => 0.50: 24
--- Number of days with Delta-Deciview => 1.00: 10
--- Largest Delta-Deciview = 2.535

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

3 271.855 -617.469 D 7.977 7.864 0.113

--- Number of recs with Delta-Deciview > 0.10: 80

--- Largest Delta-Deciview = 0.113